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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/039,867	12/20/2001	Jieming Qi	A0312/7418/SJH/MXS	8359	
23628	7590 10/04/2004		EXAM	EXAMINER	
WOLF GREI	ENFIELD & SACKS, PC		MAI, TAN V		
FEDERAL RE	ESERVE PLAZA				
600 ATLANT	IC AVENUE	•	ART UNIT	PAPER NUMBER	
BOSTON, MA	A 02210-2211		2124		
			DATE MAIL ED: 10/04/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

· ·			-///-				
	Application No.	Applicant(s)					
	10/039,867	QI, JIEMING					
Office Action Summary	Examiner	Art Unit	1				
	Tan V Mai	2124					
The MAILING DATE of this communication Period for Reply	appears on the cover sheet	with the correspondence address					
A SHORTENED STATUTORY PERIOD FOR RETHE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, if NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by some Any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	DN. R 1.136(a). In no event, however, may n. a reply within the statutory minimum of eriod will apply and will expire SIX (6) N tatute. cause the application to become	a reply be timely filed thirty (30) days will be considered timely. IONTHS from the mailing date of this communicati ABANDONED (35 U.S.C. § 133).	on.				
Status							
1) Responsive to communication(s) filed on 2	22 March 2002.						
<u> </u>	□						
· —							
Disposition of Claims							
4) ⊠ Claim(s) 1-5 and 17-45 is/are pending in the 4a) Of the above claim(s) is/are with 5) ⊠ Claim(s) 17-45 is/are allowed. 6) ⊠ Claim(s) 1,6-8,10 and 12-15 is/are rejecte 7) ⊠ Claim(s) 2-5,9 and 11 is/are objected to. 8) □ Claim(s) are subject to restriction and 15 is/are rejected to 15 is/are objected to 15 is/are objected to 16 is/are objected to 16 is/are objected to 17 is/are objected to 18 is/are objected to 18 is/are objected to 18 is/are objected to 19 is/ar	ndrawn from consideration.		·				
Application Papers							
9) The specification is objected to by the Exa							
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.							
Applicant may not request that any objection to			1/-1/				
Replacement drawing sheet(s) including the co							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International But * See the attached detailed Office action for a	ments have been received. ments have been received i priority documents have be ureau (PCT Rule 17.2(a)).	n Application No een received in this National Stage					
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-94-3) Information Disclosure Statement(s) (PTO-1449 or PTO/S Paper No(s)/Mail Date 3/22/02.	8) Paper I	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application (PTO-152)					

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Art Unit: 2124

- 1. It is noted that there is NO claim 16.
- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claims 1, 6-8, 10 and 12-15 are rejected under 35 U.S.C. 102(a) as being clearly anticipated by applicant's specification ("BACKGROUND OF THE INVENTION" and FIG. 4A (PRIOR ART)).

As per independent claim 1, Eq. (1) could be implemented in three levels of combinatorial logic, i.e., INVERT-AND-OR levels. The equation (1):

PP = $(a_i b_j b_j b_j b_j + ... + a_i b_j b_j b_j)$. Therefore, the claim read on applicant's Eq. (1) in the basic INVERT-AND-OR levels.

As per dependent claims 6-8, the claims read on applicant's Eq. (1) in the basic INVERT-AND-OR levels.

Due to the similarity of claims 10 and 12-15 to claims 1 and 6-8, they are rejected under a similar rationale.

5. Claims 2-5, 9, 11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Cited references are art of interest.

7. The following is an examiner's statement of reasons for allowance: the recorded references do NOT teach or suggest: (1) the "partial product bit generator circuit" having the detail of first, second and third circuit as recited in dependent claim 2 and independent claims 30, 37 and 45; (2) the "method for use in performing multiplication" having the detail of THREE generating steps as recited in dependent claims 11 and independent claims 17 and 44.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan V. Mai whose telephone number is (703) 305-9761. The examiner can normally be reached on Tue-Fri from 6:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on (703) 305-9662. The fax phone number for the organization where this application or proceeding is assigned are:

Official

(703) 746-7239.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

TAN V. MAI PRIMARY EXAMINER